

11/ 6/2/57)

CLEAN AIR CAR RACE
INFORMATION SHEET

BACKGROUND - In an effort to generate imaginative solutions to the ever-growing automobile emissions problem, students at the Massachusetts Institute of Technology initiated the first Clean Air Car Race. Cars running the gamut from slightly-modified internal combustion engines through pure electric, steam and hybrid power were entered. While the overall impression of the race left observers with a feeling of optimism, criticism was voiced regarding the handling of the race itself, particularly the points system for determination of the final winner.

A second Clean Air Car Race was organized and held in August, 1970. This race proved to be a far greater success, both in terms of numbers of entries and in terms of organization. A great variety of vehicles were entered from many universities (The race is open only to student-originated entries.).

The next race will be held in August of 1972. Preliminary design proposals are to be submitted to the national C.A.C.R. committee on or before June 15, 1971, detailed design proposals by August, 1971, and the race itself is scheduled for August 7-21, 1972. Competition in this race will include performance testing in such areas as emissions, roadway performance, noise, safety, reliability, cost, space utilization and passenger comfort. The race itself will be a test of vehicle reliability, since it will involve approximately 2500 miles of driving on public roadway.

UNIVERSITY OF ILLINOIS ENTRY INTO THE 1972 RACE - Several students and faculty members at U. of I. have shown a desire to participate in the 1972 race, and an effort is being made to organize a team. An organizational meeting was held on January 21, 1971, in which

representatives from the various engineering societies discussed the possibility of an entry. Tentative committees were appointed in lieu of an election to be held after all interested parties are gathered. It should be noted that this notice and the committee appointments discussed above are PRELIMINARY AND TENTATIVE; structural and committee assignments will, in all probability, take on a changed flavor after the first organizational meeting.

INFORMATION ON COURSE CREDIT - You as a student naturally want to know how and when you can receive course credit for work that you do on the 1972 Clean Air Car Race. One readily available vehicle for assignment of credit is the "293" or "special projects" course which all engineering departments have. Another would be to handle your work as a senior design course (e.g., G.E. 242) or as a senior thesis (e.g., M.E. 290). Students interested in participating in the race either on a credit or non-credit basis should contact the following individuals:

<u>DEPARTMENT</u>	<u>NAME</u>	<u>TELEPHONE NUMBER</u>
E.E.	Prof. Burtness	333-4461
E.E.	Kieth Erickson	367-7000
E.E.	Dale Jurich	359-9857
G.E.	Prof. Metz	333-0459
G.E.	Prof. Ruhl	333-0329
G.E.	Al Aikus	332-4045
G.E.	Frank Fronczak	344-7511
M.E.	Prof. Klein	333-3299
M.E.	Prof. Sorenson	333-0529
M.E.	Marv Leman	359-8833
M.E.	Tom Quaka	344-5290

In addition, it would be helpful if you would fill out the attached questionnaire and forward it to one of the people above. You are IN NO WAY OBLIGATED TO WORK ON THE RACE by filling out

the questionnaire; it will be used merely to determine the extent of student interest and talent available.

INFORMATION MEETING - An information meeting will be held in Room 151 E.E.B. At this meeting a participant in the 1970 Clean Air Car Race will discuss his experiences and observations about the race, and be available for questioning. Additionally, he will show slides of some of the entrants in the most recent race. The Date of the meeting is WEDNESDAY, FEBRUARY 10, 1971 at 7:00 P.M. If you have an interest in participating in the race at any level at all, please try to make this meeting.

CLEAN AIR CAR RACE QUESTIONNAIRE

NAME _____

LOCAL (SCHOOL) ADDRESS _____

LOCAL TELEPHONE NUMBER _____

AREA OF INTEREST (CHECK AS MANY AS YOU LIKE):

DESIGN

CLEANED-UP INTERNAL COMBUSTION ENGINE CAR

FLYWHEEL CAR

HYBRID CAR

PURE ELECTRIC CAR

STEAM CAR

TURBINE CAR

OTHER (FEEL FREE TO ADD COMMENT)

LEGAL

PATENTS

EMISSIONS LAWS AND STANDARDS (LOCAL AND FEDERAL)

SAFETY STANDARDS

ADMINISTRATIVE ACTIVITY

PROJECT COORDINATION

ADVERTISING AND PUBLICATION

OTHER (FEEL FREE TO ADD COMMENT)